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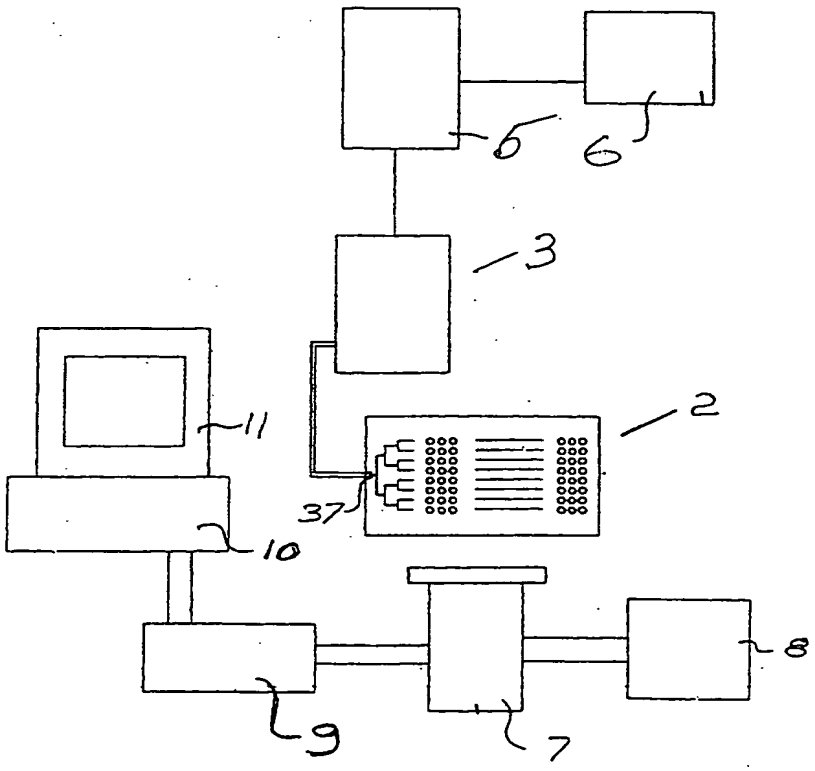
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(54) Title: AN ASSAY ASSEMBLY



(57) Abstract: A cell based assay assembly (1) comprising a biochip assembly (2), a liquid delivery unit (3) an detection and recording equipment (4) is used for conducting an assay on a biological cell as it is delivered through the biochip assembly (2). The biochip assembly (2) has a plurality of separate biochips each comprising a microchannel with input and output ports, separate reservoir wells are provided on the biochip assembly and are periodically connected to the liquid delivery unit (3) by removable separate disclosed transfer conduits. The input and output ports of the biochip are also periodically connected to the delivery unit (3) by the conduit. The liquid delivery unit (3) comprises a liquid link assembly and a positive displacement pump such as a syringe pump. The liquid link assembly has pressure compressible means which acts to smooth out pressure rises by initially contacting and then expanding to in turn dispense a steady liquid delivery output below 10μ per minute.

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